

FIG.1A

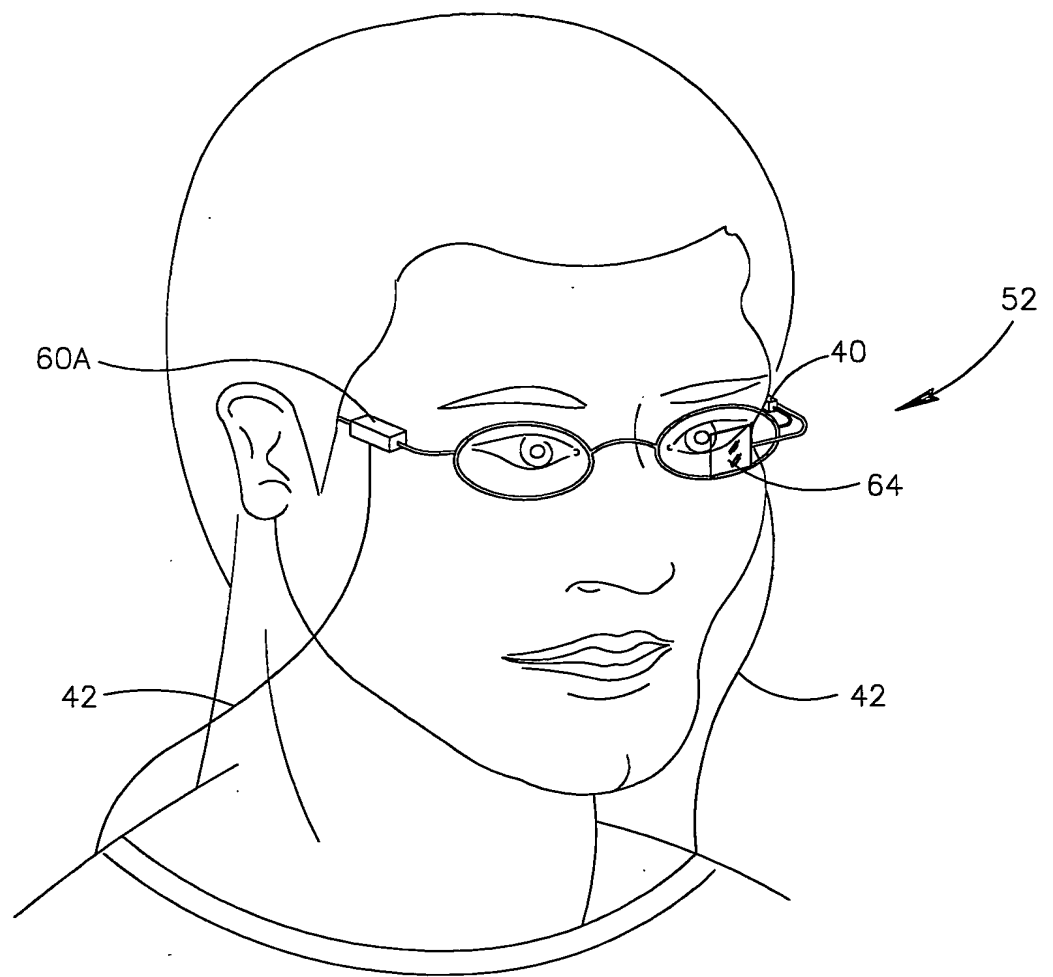


FIG.1B

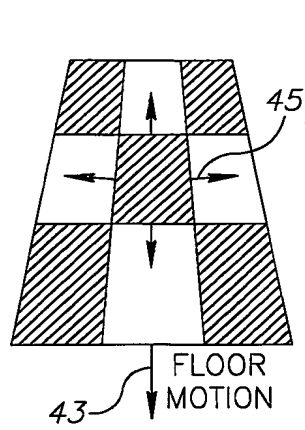


FIG. 2A

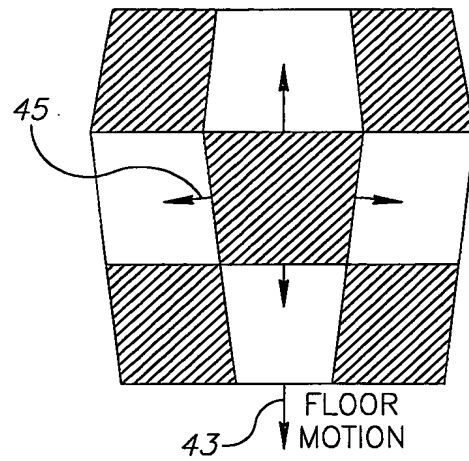


FIG. 2B

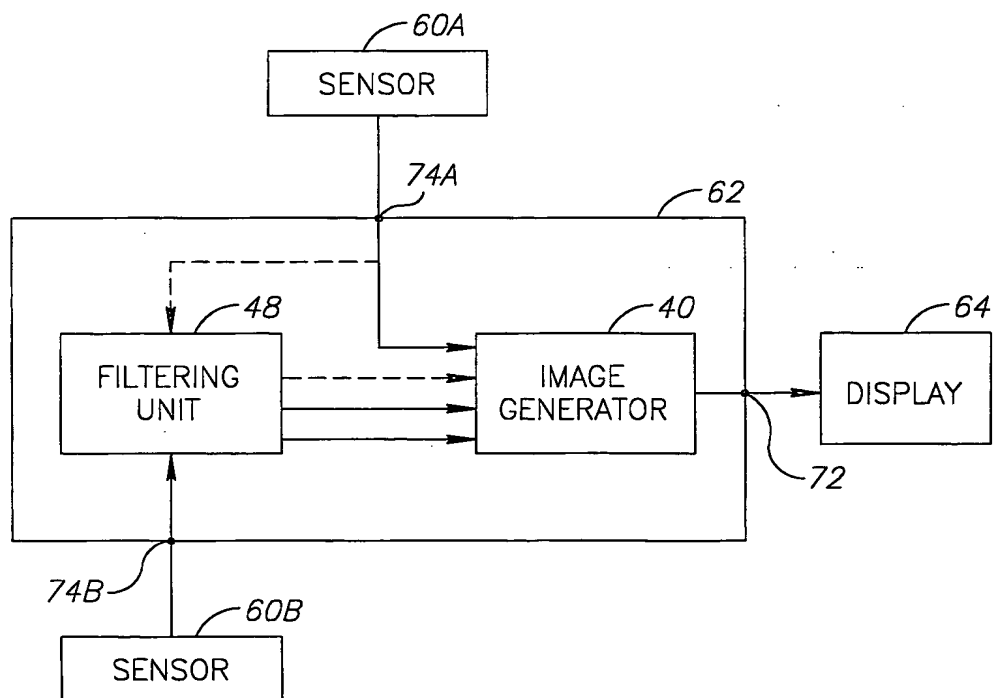


FIG. 3

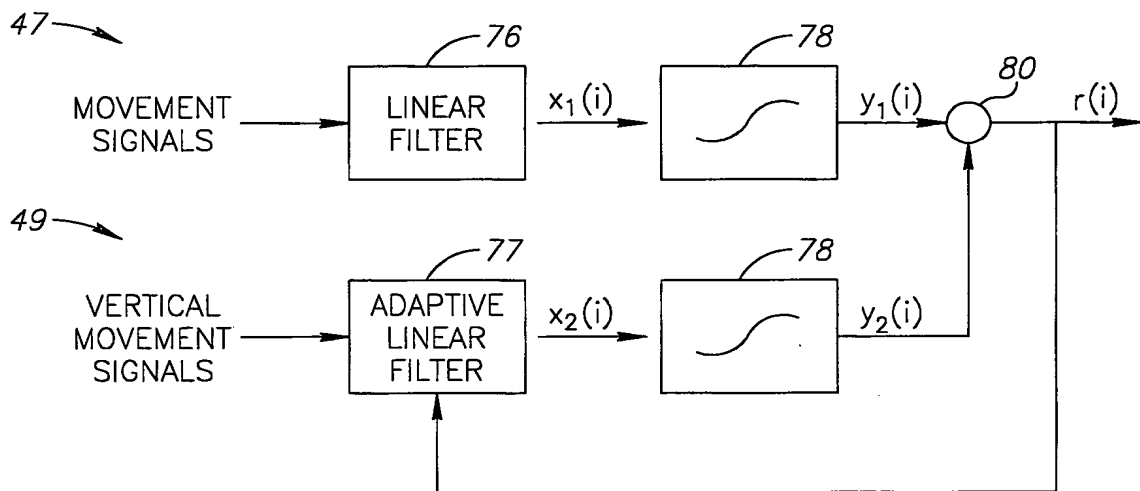


FIG. 4

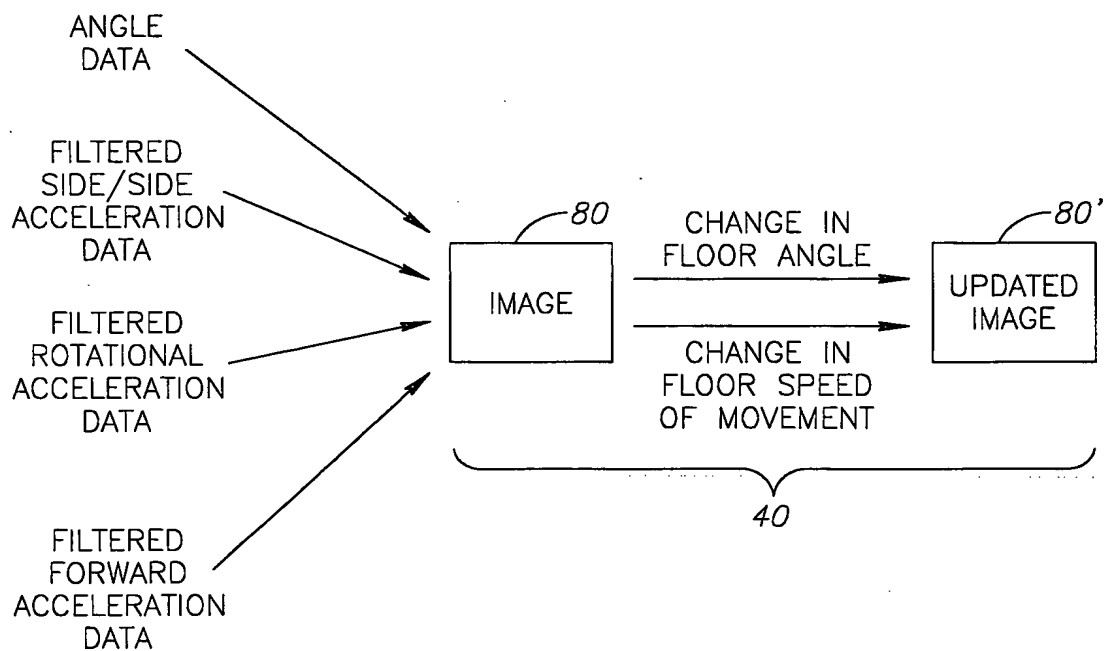


FIG. 5

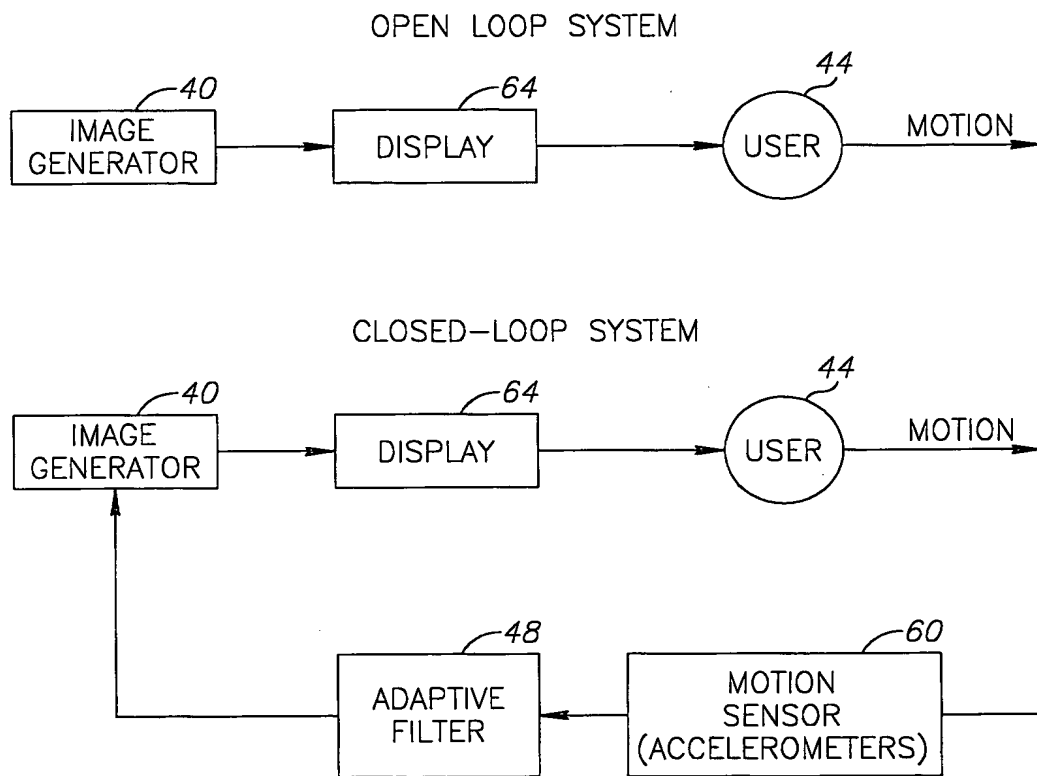


FIG.6

PATIENT				DISPLAY OFF		OPEN-LOOP SYSTEM		CLOSED-LOOP SYSTEM		PERCENTAGE CHANGE	
NAME	AGE	YD	HY	SPEED	STRIDE LENGTH	SPEED	STRIDE LENGTH	SPEED	STRIDE LENGTH	SPEED	STRIDE LENGTH
YT	74	4	2	0.884	0.465	1.063	0.541	1.107	0.571	25.3%	22.9%
ST	72	2	2	0.637	0.339	0.738	0.370	0.772	0.385	21.2%	13.5%
JL	JL	1	2	0.845	0.435	1.056	0.556	1.272	0.667	50.5%	53.3%
MM	67	20	3	0.416	0.256	0.575	0.417	0.535	0.392	28.5%	52.9%
BK	61	2	2.5	0.784	0.541	0.918	0.556	0.855	0.588	9.1%	8.8%
JS	66	15	4	0.314	0.168	0.073	0.111	0.339	0.220	8.0%	30.7%
SM	61	15	3	0.686	0.323	0.887	0.400	0.820	0.408	19.5%	26.5%
MF	76	5	4	0.774	0.388	1.144	0.488	0.907	0.426	17.2%	9.6%
YN	73	11	3	0.695	0.406	0.881	0.444	0.791	0.417	13.8%	2.1%
ES	57	3	2	0.620	0.385	0.907	0.500	0.887	0.488	43.0%	26.8%
MR	73	10	3	1.038	0.555	0.855	0.476	0.888	0.500	-14.5%	-9.9%
AR	82	20	4	0.508	0.339	0.601	2.000	0.590	0.385	16.0%	13.5%
JJ	59	10	4	0.773	0.435	0.864	0.488	0.895	0.488	15.9%	12.2%
NM	57	13	4	0.403	0.154	0.243	0.140	0.668	0.351	65.5%	12.8%
MEAN	68.21	9.36	3.04	0.642	0.357	0.765	0.539	0.803	0.445	25.7%	30.8%
STD	8.17	6.64	0.84	0.181	0.112	0.318	0.462	0.241	0.116	17.2%	33.2%

FIG.7